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WHAT IS CLAIMED:

1. A method of removing an object from a digital image comprising,

displaying a digital image derived from digital image data,

overlaying a virtual frame to surround a sub-region of the digital image that contains at least a part of the object and a portion of the digital image that does not comprise the object,

identifying the defect or object to be removed by apportioning the virtual frame into object and non-object regions,

modifying the digital data to amend data relating to object regions so that the data more closely resembles data of non-object regions,

the step of modifying the digital data including combining noise into the digital data of the object.

- 2. The method of claim 1 wherein the digital image data is provided in a format that describes a perceptual color space.
- 3. The method of claim 2 wherein the perceptual color space is selected from perceptual color spaces having a lightness component.
- 4. The method of claim 2 wherein the perceptual color space is selected from the group consisting of CIE L*u*v* and CIE L*a*b* color spaces.
- 5. The method of claim 2 wherein the object is a defect.
- 6. The method of claim 5 wherein the defect is digital data of a defect in an original image.
- 7. The method of claim 1 wherein the noise is estimated from image data in the vicinity of the object.

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- 8. The method of claim 7 wherein the noise is estimated by a process comprising sampling image data from a non-object area.
- 9. The method of claim 3 wherein noise is estimated from image data in the vicinity of the object, and the noise is estimated by a process comprising sampling image data from a non-object area.
 - 10. The method of claim 4 wherein noise is estimated from image data in the vicinity of the object, and the noise is estimated by a process comprising sampling image data from a non-object area.
 - 11. The method of claim 9 wherein the perceptual color space is selected from the group consisting of the CIE L*a*b* color space and the CIE L*u*v* color space.
 - 12. The method of claim 1 wherein object regions and non-object regions are designated by application of a threshold value for at least one component of the digital image data for a pixel.
 - 13. The method of claim 1 wherein boundaries between object regions and non-object regions are determined by application of a threshold value for at least one component of the digital image data for a pixel.
 - 14. The method of claim 1 wherein the modifying of the digital data to amend data relating to object regions so that the data more closely resembles data of non-object regions includes interpolation of non-defect data.
 - 15. The method of claim 1 wherein the modifying of the digital data to amend data relating to object regions so that the data more closely resembles data of non-object regions includes linear combination of an interpolation of non-defect data and of original image data.

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- 16. The method of claim 14 wherein the interpolation is linear interpolation.
- 17. The method of claim 1 wherein the noise is random noise.
- 5 18. The method of claim 4 wherein the noise is sampled from non-object regions in the vicinity of the object.
 - 19. The method of claim 11 wherein boundaries between object regions and nonobject regions are determined by application of a threshold value for at least one component of the digital image data for a pixel.
 - 20. The method of claim 11 wherein the modifying of the digital data to amend data relating to object regions so that the data more closely resembles data of non-object regions includes interpolation of non-defect data.
 - 21. The method of claim 11 wherein the modifying of the digital data to amend data relating to object regions so that the data more closely resembles data of non-object regions includes linear combination of an interpolation of non-defect data and of original image data.
 - 22. The method of claim 20 wherein the interpolation is linear interpolation.
 - 23. The method of claim 11 wherein the noise is random noise.
- 24. A computer and software in the memory of the computer that can execute the process of claim 1.
 - 25. A computer and software in the memory of the computer that can execute the process of claim 4.

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- 26. A computer and software in the memory of the computer that can execute the process of claim 11.
- 27. A computer and software in the memory of the computer that can execute the process of claim 19.

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